

Name: .....

1] Let  $a$  and  $b$  be integers. Complete the following definitions:

We say that  $a$  divides  $b$  and write  $a \mid b$  if .....

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We say that  $a$  and  $b$  are coprime if .....

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2] Find  $(84, 217)$  and find integers  $x$  and  $y$  such that  $(84, 217) = 84x + 217y$ .